

**RESTORE FINAL ONLINE CONFERENCE 3<sup>RD</sup> DECEMBER 2020****Note:**

1) The title should be as brief as possible; 2) Your abstract must not be longer than 300 words, and it should state briefly and clearly the purpose, methods, results and conclusions of the work; 3) Please provide a short CV + Foto for upload on [www.eurestore.eu/restore-final-conference/](http://www.eurestore.eu/restore-final-conference/).

**Title:**

**Challenges and opportunities of implementing regenerative materials and technologies in building construction in Europe**

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**Abstract: (max. 300 words)**

Currently, the construction sector is one of the industries generating the greatest environmental impact and therefore it increases pollution and thus natural disasters occurring due to climate change. The study undertaken within the framework of COST Action "RESTORE" and particularly in Working Group 3 that deals with Sustainable Building Construction presents the challenges and opportunities of implementing the regenerative materials, technologies and tools in construction. The results derived from a survey, aims to understand the current situation of using regenerative materials and regenerative technologies while identifying the challenges and opportunities of implementing them in Sustainable Construction sector based on the different available tools in several countries in Europe. Founded on preliminary results, the future goal is to encourage all the stakeholders of the construction sector to move further, shifting from implementing degenerative or "less bad" strategies to other strategies that could provide a positive net environmental impact, by means of regenerative sustainability.

**Keywords: (max.5, please use semicolons )**

Regenerative; Materials; Technologies; Tools; Construction Standards; Implementation; Europe

**Short CV: (max. 100 Words + Foto)**

Odysseas Kontovourkis, Ph.D. is currently an Assistant Professor and the Director of the research laboratory for Digital Developments in Architecture and Prototyping – d2AP in the Department of Architecture of the University of Cyprus. His research aims to explore digital strategies in architectural design and construction towards sustainable growth. Particularly, his work focuses on the development of integrative computational design and fabrication mechanisms through multi-objective analysis, performance-based architectural design and robotic construction of systems according to sustainability criteria. His work has been published in several scientific journals and conference proceedings. Recently, he participates in the EU COST Action CA16114 RESTORE as a member of the Management Committee and the Working Groups 3, 4 and 5.



**Short CV: (max. 100 Words + Foto)**

Paola Villoria Sáez is a Building Engineer with a PhD from the Technical University of Madrid (UPM). She is an Assistant Professor at the School of Building Construction and is a member of the Building Technology and Environment Research Group (TEMA). She teaches several construction and waste management related subjects at the UPM. Her background and experience is a combination of research in the area of waste management, sustainable materials and built environment. Over the past years, she has participated in 12 R&D projects; published over 28 scientific articles in high-impact journals and more than 60 technical reports and paper conferences.



**Short CV: (max. 100 Words + Foto)**

She is an architect and researcher who work at Department of Architecture - University for Business and Technology in Pristina, Kosovo as well as a CEO of Anarch Company. She also works as a consultant for World Bank and EU projects with a special focus in Construction and Energy Management. She holds a Master of Science Degree in Architecture and Project Management and a Master of Business Administration from University of Sheffield and held a certification by International Project Management Association. She is a co-author of several publications on Circular Economy, Complex Adaptive Leadership in Multinational Construction Industry, Innovative Information Systems in Construction Industry, Buildings Performance, Urban Sense of Community, etc.

